

What Is Claimed Is:

1. Use of a homogenized mixture of at least one polysaccharide, a surface-active substance and water in a creamy consistency as a coupling medium for transverse ultrasonic waves.
2. A use according to claim 1, wherein a layer of the mixture is applied between a surface of a probe and a surface of a transmitting respectively receiving transducer for transverse ultrasonic waves and said two surfaces are pressed together.
3. A coupling medium for transverse ultrasonic waves, comprising a homogenized mixture of at least a polysaccharide, a surface-active substance and water, with said mixture having a creamy consistency.
4. A coupling agent according to claim 3, wherein said mixture is composed of a maximum of 50% water.
5. A coupling agent according to claim 3 or 4, wherein said mixture is composed solely of biocompatible substances.

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